

B2
Sub
D3

15. (Amended) A voltage ramp generator comprising:
a capacitance; and
a charging circuit connected to said capacitance and
comprising
a current generator having a first resistance,
and
a degenerate current mirror circuit connected
to said current generator and to said capacitance,
said degenerate current mirror circuit having a
second resistance for generating a capacitance
charging current that is proportional to a square of
a ratio of the second resistance and the first
resistance.

B3
Sub
D5

21. (Amended) A current ramp generator comprising:
a voltage ramp generator comprising
a capacitance, and
a charging circuit connected to said
capacitance and comprising
a current generator having a first
resistance, and
a circuit connected to said current
generator and to said capacitance having a
second resistance and enabling a capacitance
charging current to be proportional to a square
of a ratio of the second resistance and the
first resistance; and
a conversion circuit connected to said voltage ramp
generator for generating a current ramp.

B4
Sub
D7

29. (Amended) A current ramp generator comprising: